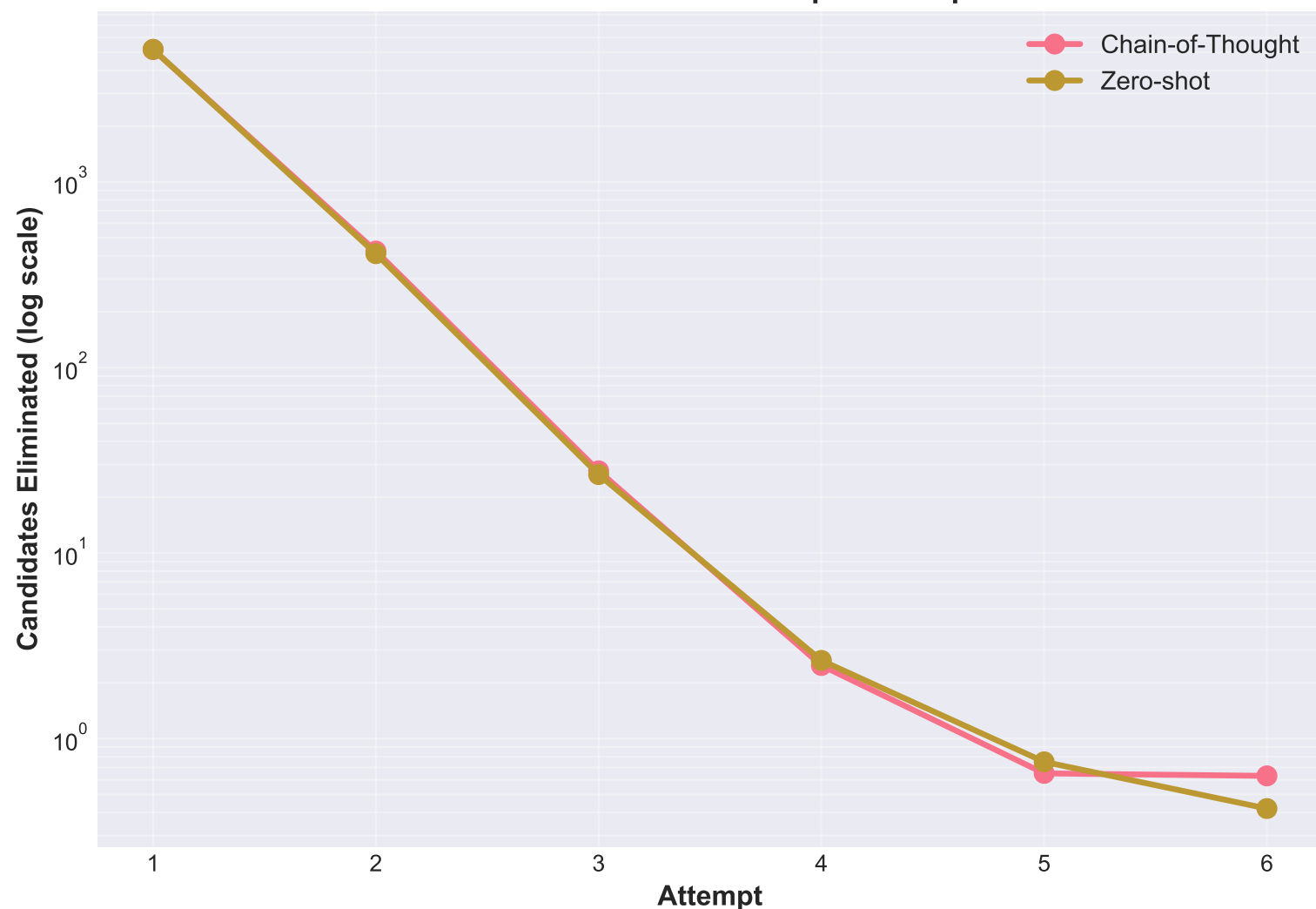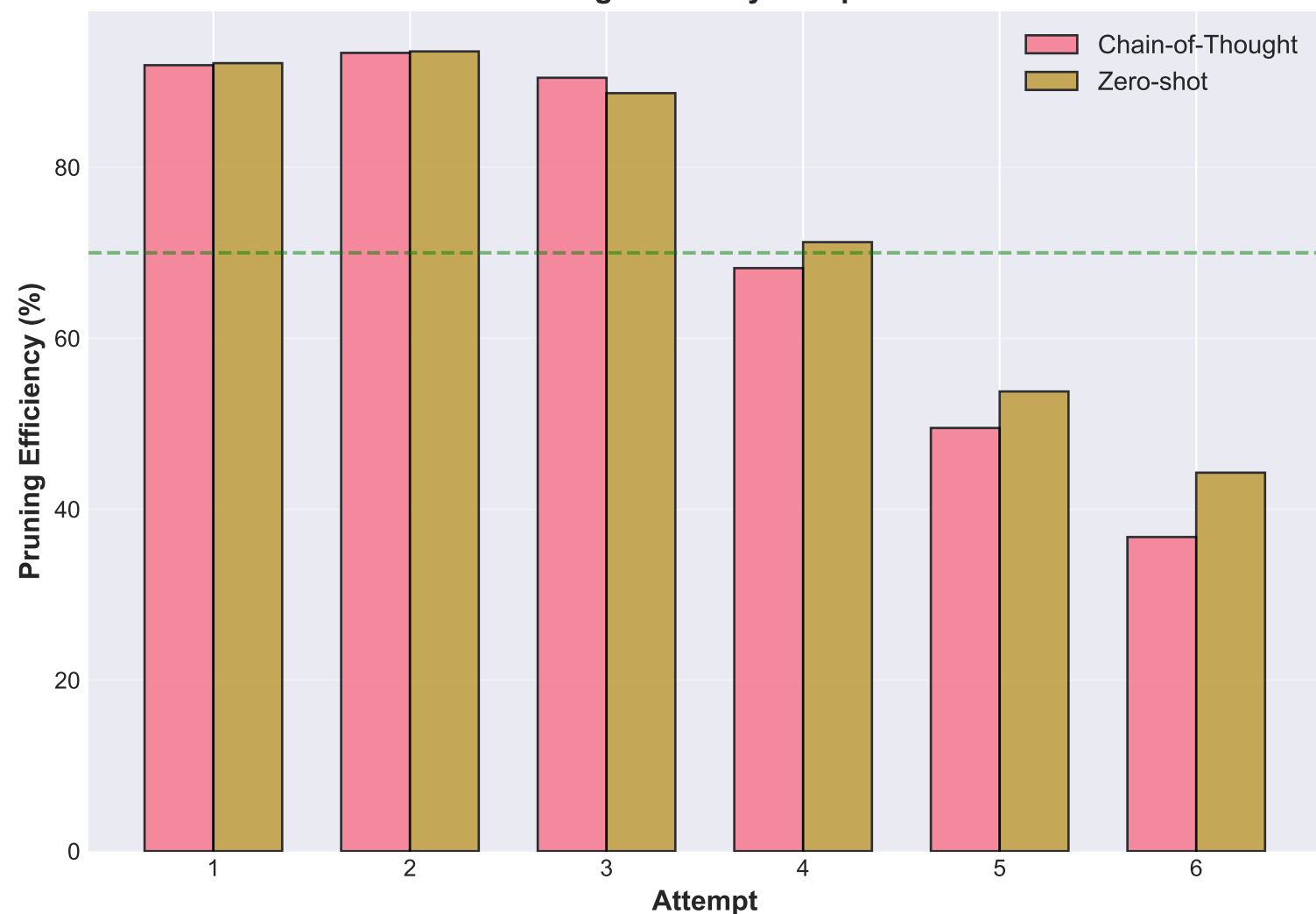**LLM Iterative Reasoning Patterns: Evidence of Systematic Belief Updating**
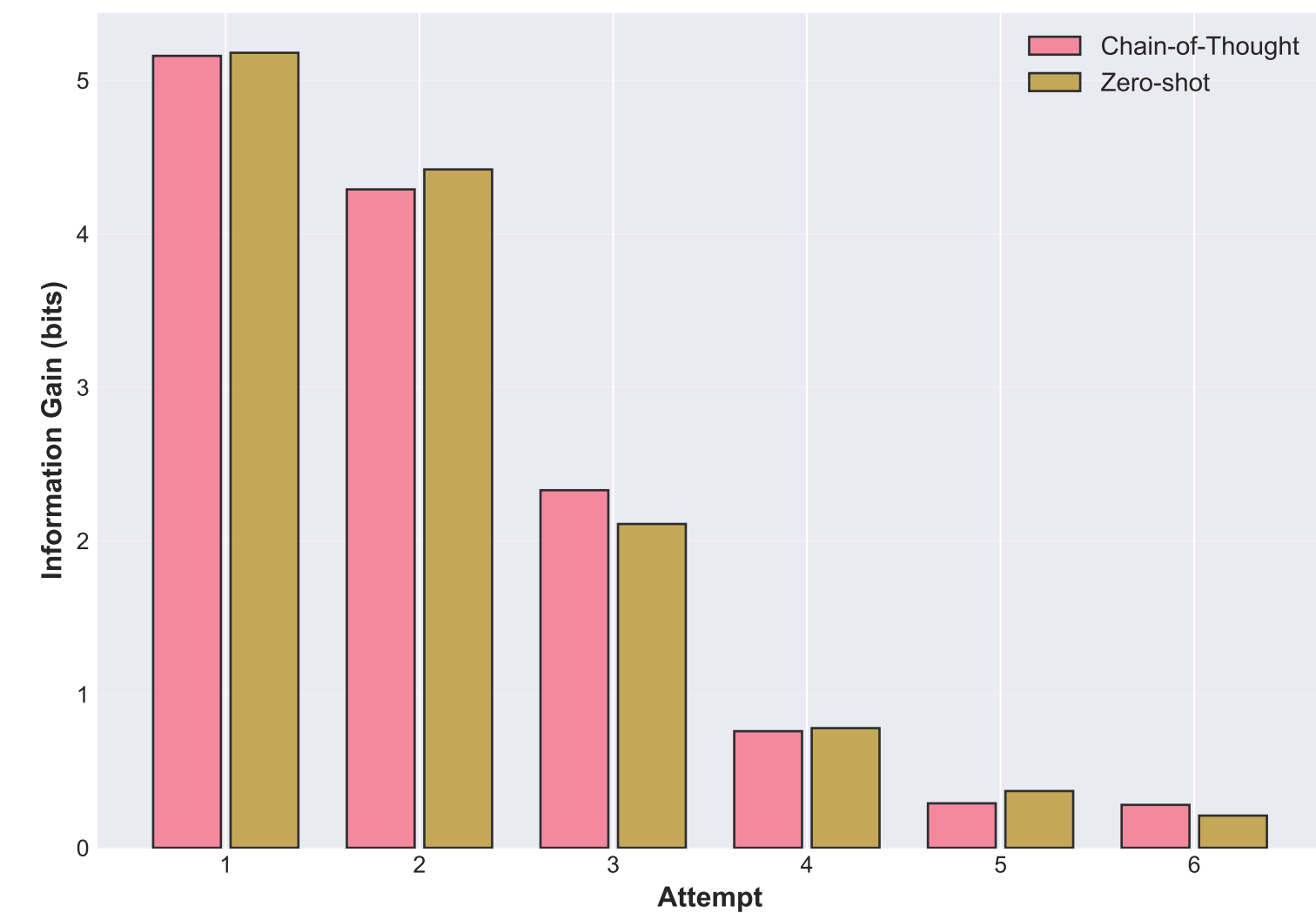
**A. Candidates Eliminated per Attempt**

**B. Pruning Efficiency Comparison**

**C. Information Gain Distribution**

**D. Pruning Efficiency Decline Rate**